

AMENDMENT TO THE SPECIFICATION

Please amend the Specification as follows:

On page 2, delete paragraph 2 and substitute therefore:

The tryptic cleavage of preproinsulin (PPI) is a complex, enzyme-catalyzed reaction with numerous undesirable secondary and side reactions. As shown in Figs. 1A-1D, on account of the numerous reactive sites, a large number of reaction products are formed in the tryptic cleavage of PPI, of which the compounds (Arg(B31), Arg(B32)-insulin ("di-Arg") and Arg(B31)-insulin ("mono-Arg") are to be regarded as the actual valuable substances for further work-up. Thus, removal both of the presequence and the "middle" C chain (the C chain arranged in the preproinsulin between the sequence of the A chain and the sequence of the B chain of insulin) is necessary. If cleavage reactions occur in other sites of the PPI, undesirable by-products are formed, such as, for example, des(B30)-insulin ("des-Thr").

On page 9, Legend to figures, please delete the description of Fig. 1 at lines 3-6 and substitute therefore:

Fig. 1A-Fig. 1D: Reactive sites in the tryptic cleavage of preproinsulin

(INS= insulin (Fig. 1B and Fig. 1C); A0-Arg-INS=Arg(A0)-insulin (Fig. 1B);
INS-di-Arg=Arg(B31, Arg(B32)-insulin (Fig. 1D); INS-mono-Arg=Arg(B31)-insulin (Fig. 1D); des-Thr=des(B30)-insulin (Fig. 1D).